

A solid and/or cellular polyurethane elastomers which are produced using polyester polyols are disclosed. The elastomers which exhibit improved stability to hydrolysis are characterized in that their preparation is carried out in the presence of at least one esters of monobasic carboxylic acid or polybasic carboxylic acids, the (first) dissociation constant (pK) of which is 0.5 to 4.